



**Figure S1:**  $2F_o - F_c$  electron density map at  $1.5\text{\AA}$  overlaid on the  $\beta_2$ - $\alpha_2$  loops from respective structures of (A) wild-type rabbit PrP<sup>C</sup> 121-230 (B) S170N mutant rabbit PrP<sup>C</sup> 121-230, (C) S174N mutant rabbit PrP<sup>C</sup> 121-230 and (D) S170N/S174N mutant rabbit PrP<sup>C</sup> 121-230.